9: Risley G-5 (1886-1888) 1891
AK5 Lepcha AK5

000

THE

TRIBES AND CASTES OF BENGAL.

By H. H. RISLEY,

INDIAN CIVIL SERVICE, OFFICIER D'ACADÉMIE FRANÇAISE.

ANTHROPOMETRIC DATA.

Vol. I.

CALCUTTA:

Printed at the Bengal Secretariat Press.

1891.

[title page]

9: Risley G-5 (1886-1888) 1891
AK5 Lepcha AK5

PREFACE

114 THE measurements recorded in these volumes were taken under my supervision in Bengal, the North-Western Provinces and the Panjab during 1886 and the two following years. The instruments used were those contained in the *boîte anthropométrique* recommended by Professor Paul Topinard in his *Éléments d'Anthropologie Générale*, with the addition of the goniometer devised by him for measuring the facial angle of Cuvier. With a single exception, Professor Topinard's methods of measuring and of calculating indices were followed throughout. The exception is the naso-malar index, the data for which were measured and the index calculated in the manner described by Mr. Oldfield Thomas in the Journal of the Anthropological Institute of Great Britain and Ireland for May 1885.

ooc My cordial acknowledgments are due to Mr. J. C. Nesfield, Inspector of Schools, Oudh, for supervising the measurements taken in the North-West Provinces; to Chandi Singh, Clerk in the office of the Inspector of Schools, Oudh, for carrying out those measurements; to Alá-uddin, Civil Hospital Assistant, Lahore, for the measurements taken by him for the Panjab; and especially to Babu Kumud Behari Sámanta, Civil Hospital Assistant, for the large series of measurements taken by him in Bengal, and for his labours in calculating indices and averages, and in making a variety of ethnographic inquiries for me.

A full analysis of the measurements, indicating their bearing upon the ethnology of Northern India, and also upon certain more general questions which have been discussed by ethnologists in Europe, will be given in a separate volume.

[following title page]

9: Risley G-5 (1886-1888) 1891
AK5 Lepcha AK5

14

LEPCHA TRIBE OF DARJILING HILLS.

TABLE I.

Number.	Name of Subject.	District of birth.	Age.	Indices.									Facial angle.
				Nasal.	Naso-malar.	Cephalic.	Fronto-zygo-matic.	Vertico-cephalic.	Vertico-bimalar.	Vertico-frontal.	Vertico-bizygo-matic.	Height and weight.	
1	Tunda ...	Darjiling	28	73·4	107·1	79·5	80·5	74·0	56·0	54·0	67·0	.....	66
2	Passan ...	Ditto ...	27	66·0	109·7	86·3	76·4	77·8	55·6	51·2	66·9	.....	61
3	Harchu ...	Ditto ...	26	72·0	111·1	80·5	76·0	69·3	54·4	48·8	64·1	.....	63
4	Gachu ...	Ditto ...	27	76·0	104·8	81·9	80·4	69·7	54·3	50·4	62·7	.....	56
5	Sungkul ...	Sikkim ...	42	69·8	108·7	82·4	74·4	71·7	54·5	48·8	65·5	.....	69
6	Gairlunda ...	Do. ...	25	74·5	105·4	75·8	75·4	61·8	49·3	44·3	58·7	.....	63
7	Singbir ...	Do. ...	30	74·5	111·5	79·3	80·7	70·0	52·3	50·9	62·9	.....	69
8	Nahasuk ...	Darjiling	26	68·0	107·8	73·1	79·2	59·9	50·6	47·1	59·4	.....	60
9	Adda ...	Sikkim ...	25	58·9	111·1	82·3	78·8	70·2	55·1	50·9	64·6	.....	64
10	Lama ...	Do. ...	25	72·5	108·4	80·6	80·4	65·7	51·7	46·9	58·3	.....	67
11	Achu ...	Darjiling	28	72·5	107·2	83·6	73·0	67·8	50·4	44·9	62·3	.....	71
12	Nanja ...	Ditto ...	25	68·5	108·6	80·7	76·2	68·5	51·3	48·2	63·2	.....	68

13	Jhara ...	Sikkim ...	28	72·5	107·1	86·8	81·8	72·0	53·0	51·1	62·5	.....	68
14	Panchu ...	Do. ...	26	69·2	110·2	87·9	78·2	68·7	56·6	51·3	65·6	.....	65
15	Lamba Sinh ...	Darjiling	30	70·9	107·6	79·1	74·4	61·2	49.7	44·6	60·0	.....	60
16	Angi ...	Ditto ...	27	71·6	107·6	79·3	74·6	68·8	55·1	48·5	65·0	.....	70
17	Dyah ...	Ditto ...	25	82·9	109·2	83·3	75·0	72·5	50·2	48·8	65·1	.....	73
18	Nam Sinh ...	Ditto ...	25	76·0	102·9	80·1	74·4	70·7	49·2	49·7	66·8	.....	64
19	Gumba ...	Ditto ...	28	67·2	109·6	81·6	72·5	70·6	50·0	49·5	68·2	.....	66
20	Chara ...	Ditto ...	26	62·5	104·8	78·6	75·5	63·9	47·0	46·5	61·6	.....	66
21	Dhusing ...	Ditto ...	26	72·5	104·7	85·3	78·2	70·3	48·6	50·0	63·8	.....	72
22	Eafa ...	Ditto ...	25	62·2	108·0	81·3	80·7	71·4	48·3	52·6	65·2	.....	69
23	Atebi ...	Ditto ...	28	69·0	105·7	78·9	73·3	61·3	43·6	42·8	58·4	.....	62
24	Choba ...	Ditto ...	37	74·5	104·6	79·6	72·7	67·4	47·1	45·8	62·9	.....	68
25	Shonga Dinzi ...	Ditto ...	26	70·0	108·0	85·6	74·8	72·5	48·0	48·5	64·9	.....	64
26	Pashang ...	Ditto ...	45	72·5	109·2	79·4	73·6	69·4	46·8	47·5	64·5	.....	63
27	Assang ...	Ditto ...	35	66·6	105·0	79·8	79·3	70·0	47·1	49·5	62·3	.....	66
28	Khamba ...	Ditto ...	42	74·0	110·0	84·0	76·2	72·8	47·6	49·0	64·2	.....	68
29	Ponra ...	Ditto ...	28	65·3	108·0	74·1	74·3	68·6	49·7	49·7	66·6	.....	63
30	Dokan Sinh ...	Ditto ...	29	70·9	107·8	79·8	75·1	67·7	47·0	47·4	63·1	.....	62

141

9: Risley G-5 (1886-1888) 1891
AK5 Lepcha AK5

141

LEPCHA TRIBE OF DARJILING HILLS.

TABLE I—*concluded.*

Number.	Name of Subject.	District of birth.	Age.	Indices.									Facial angle.
				Nasal.	Naso-malar	Cephalic.	Fronto-zygo-matic.	Vertico-cephalic	Vertico-bimalar.	Vertico-frontal.	Vertico-bizygo-matic.	Height and weight.	
31	Bachu ...	Darjiling	30	74·0	104·9	77·4	71·1	69·1	49·5	47·0	66·1	.....	70
32	Koman Sinh ...	Ditto ...	26	70·0	106·7	79·4	72·3	68·0	47·6	47·2	65·2	.....	65
33	Sopraka ...	Ditto ...	28	67·9	108·4	77·7	72·5	66·2	48·1	46·3	63·9	.....	62
34	Ramba ...	Ditto ...	37	70·8	108·7	78·0	76·9	72·6	51·2	49·7	64·6	.....	68
35	Sungar ...	Ditto ...	26	61·4	109·8	78·0	73·9	64·5	44·1	45·4	61·4	.....	65
36	Ribu ...	Ditto ...	27	67·9	110·4	83·4	74·2	66·8	46·4	44·6	60·1	.....	69
37	Adung ...	Ditto ...	30	66·0	109·2	84·5	75·7	72·1	45·7	47·1	62·2	.....	65
38	Tunda ...	Ditto ...	45	68·5	112·7	77·8	75·9	65·1	49·7	47·0	61·9	.....	78
39	Tasa ...	Ditto ...	26	69·0	109·2	84·5	73·5	66·9	48·8	46·6	63·3	.....	62
40	Hansi ...	Ditto ...	40	67·9	110·0	77·6	75·3	66·5	45·8	46·3	61·4	.....	68
41	Bahadur ...	Ditto ...	27	63·6	109·0	81·2	70·7	66·5	44·7	44·7	63·3	.....	60
42	Talman Sinh ...	Ditto ...	45	80·0	105·8	90·2	75·0	74·0	48·1	49·5	66.0	.....	

43	Kaen Sinh ...	Ditto ...	35	80·0	108·5	76·6	73·0	66·9	47·5	46·6	63·8	.....	69
44	Tusing ...	Ditto ...	37	80·8	106·1	83·3	72·8	67·8	47·0	46·1	63·3	.....	65
45	Absian ...	Ditto ...	45	63·6	107·6	81·4	70·0	68·9	48·1	45·3	64·8	.....	69
46	Powa ...	Ditto ...	28	62·9	107·6	79·7	73·7	64·3	44·6	44·6	60·5	.....	64
47	Jitmun ...	Ditto ...	37	72·7	104·8	83·8	70·1	70·3	44·9	44·1	62·8	.....	70
48	Arsinh ...	Ditto ...	37	64·8	108·1	80·8	75·9	66·3	43·9	46·6	61·4	.....	67
49	Dowsinh ...	Ditto ...	38	68·6	111·7	80·7	70·6	69·3	48·1	47·6	67·4	.....	64
50	Kolhari ...	Ditto ...	36	68·6	109·0	79·6	75·0	67·4	46·0	46·0	61·3	.....	67
51	Keroki Sinh ...	Ditto ...	28	75·4	112·3	82·5	74·8	72·5	50·4	51·4	69·2	.....	71
52	Shaimtu ...	Ditto ...	25	69·8	104·7	82·5	74·2	66·2	47·2	46·8	63·0	.....	68
53	Shohar ...	Ditto ...	45	60·0	110·8	75·3	72·6	67·7	46·5	46·5	64·0	.....	65
54	Silmu ...	Ditto ...	40	67·7	103·7	80·5	76·4	69·8	48·4	47·4	62·1	.....	59
55	Pasinh ...	Sikkim ...	40	75·0	.....	80·4	74·2	64·8	.....	44·1	59·4	354·3	66
56	Lempu ...	Darjiling ...	...	80·9	.....	85·3	74·6	69·7	.....	46·5	62·3	331·4	...
57	Maktang ...	Nepal ...	...	80·0	.....	80·2	82·6	68·1	.....	51·8	62·7	362·9	67
	Average ...	.....	...	67·2	108·1	79·9	75·2	67·6	49·0	47·6	63·3	350·5	64·1

141

9: Risley G-5 (1886-1888) 1891
AK5 Lepcha AK5

141

LEPCHA TRIBE OF DARJILING HILLS.

TABLE II.

Number.	Name of Subject.	District of birth.	Age.	Measurements.													Remarks.
				Nasal height.	Nasal width.	Bimalar breadth.	Mandibular breadth.	Cephalic length.	Cephalic breadth.	Minimum frontal breadth.	Maximum bizygomatic breadth.	Height, vertex to inter-supercilliary point.	Height, vertex to tragus.	Height, vertex to chin.	Stature in C. M.	Weight in grammes.	
1	Tunda ...	Darjiling	28	49	36	112	120	186	148	108	134	62	121	200	149·0	.....	
2	Passan ...	Ditto ...	27	53	35	113	124	183	158	104	136	63	130	203	157·4	.....	
3	Harchu ...	Ditto ...	26	50	36	117	130	185	149	105	138	78	148	215	158·0	.....	
4	Gachu ...	Ditto ...	27	50	38	124	130	194	159	115	143	80	128	228	163·2	.....	
5	Sungkul ...	Sikkim ...	48	53	37	114	124	182	150	102	137	80	141	209	162·8	.....	
6	Gairlunda ...	Do. ...	25	51	38	110	116	182	138	99	131	77	135	223	154·6	.....	
7	Singbir ...	Do. ...	39	51	38	113	126	189	150	109	135	70	132	214	159·2	.....	
8	Nahasuk ...	Darjiling	26	50	34	115	124	186	136	107	135	92	132	237	161·8	.....	
9	Adda ...	Sikkim ...	25	56	33	117	130	181	149	108	137	73	132	212	163·0	.....	
10	Lama ...	Do. ...	25	51	37	118	128	186	150	107	139	96	140	228	163·2	.....	
11	Achu ...	Darjiling	28	51	37	110	118	177	148	98	136	75	122	218	155·0	.....	

12	Nanja ...	Ditto ...	25	54	37	116	126	192	155	109	143	77	190	226	160·6	.....
13	Jharu ...	Sikkim ...	28	51	37	112	130	175	152	108	132	68	134	211	159·6	.....
14	Panchu ...	Do ...	26	52	36	127	140	175	154	115	147	79	133	224	160·0	.....
15	Lamba Sing ...	Darjiling	30	56	39	117	126	182	144	105	141	55	132	235	168·4	.....
16	Angi ...	Ditto ...	27	53	38	117	126	184	146	103	138	68	131	212	160·0	.....
17	Dyah ...	Ditto ...	25	47	39	108	118	186	156	105	140	80	136	215	160·2	.....
18	Nam Sing ...	Ditto ...	25	50	38	101	104	181	145	102	137	70	132	206	150·0	.....
19	Gumba ...	Ditto ...	28	53	36	104	114	180	147	103	142	71	132	208	149·4	.....
20	Choora ...	Ditto ...	26	56	35	103	108	178	140	102	135	81	124	219	164·6	.....
21	Dhoosing ...	Ditto ...	26	51	37	105	110	178	152	108	138	75	136	216	161·4	.....
22	Eafa ...	Ditto ...	25	53	33	100	108	182	148	109	135	69	131	207	155·0	.....
23	Atobey ...	Ditto ...	28	55	38	104	110	185	146	102	139	79	137	238	169·0	.....
24	Chobs ...	Ditto ...	37	55	41	107	112	192	153	104	143	76	137	227	160·0	.....
25	Shonga Dinzi ...	Ditto ...	26	50	35	100	106	176	151	101	135	73	130	208	157·6	.....
26	Pashong ...	Ditto ...	45	51	37	97	106	180	143	98	133	72	134	206	155·0	.....
27	Assang ...	Ditto ...	26	51	34	99	104	181	147	104	131	70	130	210	152·0	.....
28	Khambu ...	Ditto ...	42	54	40	100	110	182	153	103	135	73	133	210	155·0	.....
29	Poora ...	Ditto ...	28	52	34	100	108	186	138	100	134	67	130	201	149·0	.....
30	Dokan Singh ...	Ditto ...	29	55	39	102	110	184	147	103	137	77	130	217	154·4	.....

141

9: Risley G-5 (1886-1888) 1891
AK5 Lepcha AK5

141

LEPCHA TRIBE OF DARJILING HILLS.

TABLE II—*concluded.*

Number.	Name of Subject.	District of birth.	Age.	Measurements.													Remarks.
				Nasal height.	Nasal width.	Bimalar breadth.	Nasomalar breadth.	Cephalic length.	Cephalic breadth.	Minimum frontal breadth.	Maximum bizygomatic breadth.	Height, vertex to inter-supercilliary point.	Height, vertex to tragus.	Height, vertex to chin.	Stature in C. M.	Weight in grammes.	
31	Bachu ...	Darjiling	30	50	37	101	106	182	141	96	135	79	130	204	152·0	.....	
32	Koman Sinh ..	Ditto ...	26	50	35	103	110	185	147	102	141	82	133	216	152·0	.....	
33	Sepraka ...	Ditto ...	28	53	36	107	116	189	147	103	142	89	141	222	153·4	.....	
34	Ramba ...	Ditto ...	37	48	34	103	112	187	146	100	130	78	122	201	153·4	.....	
35	Sungar ...	Ditto ...	26	57	35	102	112	191	149	105	142	86	129	231	167·4	.....	
36	Sibu ...	Ditto ...	27	53	36	105	116	181	151	101	136	90	129	226	159·4	.....	
37	Adung ...	Ditto ...	30	53	35	97	106	181	153	100	132	80	131	212	160·2	.....	
38	Tunda ...	Ditto ...	45	54	37	110	124	185	144	104	137	84	135	221	162·0	.....	
39	Tasa ...	Ditto ...	26	55	38	106	118	175	148	103	140	72	129	221	158·0	.....	
40	Hansi ...	Ditto ...	40	53	36	100	110	187	145	101	134	75	138	218	153·0	.....	
41	Bahadur ..	Ditto ...	37	55	35	99	108	181	147	99	140	79	129	221	160·0	.....	

LEPCHA.
DARJILING HILLS.

247

MEASUREMENTS.

43	Talman Sinh ...	Ditto ...	45	60	40	102	108	174	157	105	140	88	134	212	154·2	.....
43	Kasa Sinh ...	Ditto ...	35	60	40	105	114	193	148	103	141	86	135	221	153·4	.....
44	Tsinh ...	Ditto ...	37	47	36	98	104	180	150	102	140	94	136	221	152·4	.....
45	Absian ...	Ditto ...	45	55	35	104	112	183	149	98	140	73	139	216	167·0	.....
46	Powa ...	Ditto ...	28	54	34	104	112	188	150	104	141	94	137	233	157·4	.....
47	Jitmun ...	Ditto ...	37	54	39	103	108	192	161	101	144	87	138	229	159·0	.....
48	Arsinh ...	Ditto ...	37	54	35	98	106	183	148	104	137	81	140	223	158·4	.....
49	Dowsinh ...	Ditto ...	38	51	38	102	114	182	147	101	143	72	129	212	156·6	.....
50	Kolhari ...	Ditto ...	36	51	35	99	108	182	145	99	132	81	131	215	154·8	.....
51	Keroki Sinh ...	Ditto ...	28	53	40	105	118	183	151	107	144	70	134	208	157·0	.....
52	Shaimtu ...	Ditto ...	25	53	37	105	110	178	147	104	140	90	137	222	154·2	.....
53	Shohar ...	Ditto ...	45	60	36	101	112	195	147	101	139	75	140	217	166·4	.....
54	Silmu ...	Ditto ...	40	59	40	106	110	190	153	104	136	77	139	219	156·8	.....
55	Pasinh ...	Sikkim ...	40	44	33	...	...	179	144	98	132	86	147	222	153·6	54421·0
56	Lempu ...	Darjeeling ...	...	42	34	...	...	178	150	100	134	91	136	215	156·0	51709·4
57	Maktang ...	Nepal ...	...	45	36	...	...	187	150	114	138	87	142	220	162·5	58966·9
	Average ...	.....	...	51·6	34·7	106·4	115·1	183·5	146·7	103·5	137·5	78·5	133·5	217·0	157·0	55032·4

141